



**MAIL STOP PCT**

IFW

Docket No. 293105US2PCT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Patrick AUDEBERT, et al.

SERIAL NO: • 10/585,074

GAU:

FILED: June 29, 2006

EXAMINER:

FOR: RADIATION DETECTING SYSTEM WITH DOUBLE RESETTING PULSE COUNT

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references cited in the International Search Report and listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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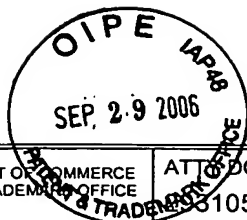
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Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

105US2PCT

SERIAL NO.

10/585,074

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Patrick AUDEBERT, et al.

FILING DATE

June 29, 2006

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	4 034 222	07/05/77	AZAM, Guy et al.			
	AB	4 198 986	04/22/80	SUZUKI, Kenji			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	0 022 949	01/28/81	EP		NO
	AP	07 239385	09/12/95	JP (with English abstract)		NO
	AQ	43 04 349	08/18/94	DE		NO
	AR					
	AS					
	AT					
	AU					
	AV					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	CHANG, Zhong Yuan et al., "Low-noise wide-band amplifiers in bipolar and CMOS technologies", KLUWER ACADEMIC PUBLISHERS, No. XP008036864, pgs. 153-195, 1991.				
	AX					
	AY					
	AZ					<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. PCT Application Serial No: 10/585,074

Filed: June 29, 2006

Patrick AUDEBERT, et al.

Docket No. 293105 US

#### STATEMENT OF RELEVANCY

- 1) References AA - AB, AO - AQ & AW have been cited in the International Search Report. A copy of these references is being submitted herewith.
- 2) References            have been cited in the corresponding            Search Report. A copy of these references is being submitted herewith.
- 3) References            are discussed in the specification. A copy of these references is being submitted herewith.
- 4) References            are additional prior art known to Applicant. A copy of these references is being submitted herewith.

#### AO: EP 0 022 949

Relates on an arrangement for dose measurement having a radiation detector (4), an amplifier (5) and an integration stage (6), assigned to the amplifier, for a variable which is proportional to the radiation dose measured by the radiation detector. The integration stage (6) is reset by a control element (13, 14) in the case of a presettable integrated value. The integration steps are counted by a counter (12). In such arrangements for dose measurement, the dependence on environmental influences, in particular on pressure and temperature, is to be compensated. For this purpose, the invention provides that at least one measuring transducer (26, 27) is exposed to the environmental influences prevailing at the radiation detector (4), and the outputs of the measuring transducers are assigned, via in each case one amplifier (29,30, 31, 32, 35, 36) matched to the influence of the respective measured variable on the indicated dose, to the input of the control element (9, 10, 11, 13, 14) for resetting the integration stage (6).

#### AQ: DE 43 04 349

The invention relates to an arrangement for detecting when a measurement range is exceeded an extending the usable measurement range of radiation measuring devices with counting detectors. Counting detectors, such as proportional counting tubes, semiconductor detectors, scintillation counters, Geiger-Müller counting tubes etc are known both generally and also for the fact that as the radiation level increases the number of counted pulses no longer rises linearly with the dose rate. The diagram Rf(DL), If(DL) shows a typical characteristic of the response functions of a counting detector.